**Physical Science Using Machines (3.2 Outline)**

***AS YOU READ, RESPOND TO THE FOLLOWING:***

*Vocabulary*: **Define in your own words:**

Efficiency-

Mechanical Advantage -

*Respond to the following:*

Summarize the three ways a machine can make work easier.

Solve the following problems

1. While raking leaves, a woman applies a force of 32 N to a rake. The rake has an output force of 16 N. What is the mechanical advantage of the rake?

***ABOUT THE READING:***

*After reading about this topic I learned that…*

*Write 1 question that you have about Mechanical Advantage and Efficiency.*

*1.*

*From the reading, write about what* ***disturbs****,* ***interests, confuses, or enlightens*** *you. Pick* ***1.***

***Assigned work:***  *p. 100, #3, 9-10*

*Additional Notes:*